

Notice of Allowability

Application No.

10/000,083

Examiner

Alexa A. Doroshenk

Applicant(s)

NAGASE ET AL.

Art Unit

1764

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☐ This communication is responsive to _____.
2. ☒ The allowed claim(s) is/are 15, 16, 18, 19 and 22-24.
3. ☒ The drawings filed on 04 December 2001 are accepted by the Examiner.
4. ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
 - a) ☒ All b) ☐ Some* c) ☐ None of the:
 1. ☐ Certified copies of the priority documents have been received.
 2. ☒ Certified copies of the priority documents have been received in Application No. 09/405,217.
 3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

* Certified copies not received: _____.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.
THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.

5. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
 6. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
 - (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
 - 1) ☐ hereto or 2) ☐ to Paper No./Mail Date _____.
 - (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date _____.
- Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
7. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

Attachment(s)

1. ☐ Notice of References Cited (PTO-892)
2. ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
3. ☒ Information Disclosure Statements (PTO-1449 or PTO/SB/08),
Paper No./Mail Date 12/04/01
4. ☐ Examiner's Comment Regarding Requirement for Deposit
of Biological Material
5. ☐ Notice of Informal Patent Application (PTO-152)
6. ☒ Interview Summary (PTO-413),
Paper No./Mail Date 20040624.
7. ☒ Examiner's Amendment/Comment
8. ☐ Examiner's Statement of Reasons for Allowance
9. ☐ Other _____.

EXAMINER'S AMENDMENT

1. An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the payment of the issue fee.

Authorization for this examiner's amendment was given in a telephone interview with Daniel Stanger on June 24, 2004.

The application has been amended as follows:

The title has been changed to --- An apparatus for chemical decontamination ---.

Page 1, line 2, deleted "METHOD OF CHEMICAL DECONTAMINATION AND SYSTEM THEREFOR" and inserted --- AN APPARATUS FOR CHEMICAL DECONTAMINATION ---.

In the amendment to the specification of December 4, 2001, on page 1 before the first line, deleted "allowed" and inserted --- U.S. Patent No. 6,335,475 ---.

Page 1, line 10, after "pipes" inserted ---, ---;

line 24, deleted "acting" and inserted --- using ---.

Page 2, line 1, before "strong" inserted --- a ---;

lines 3-4, deleted "is easy to be corroded" and inserted --- corrodes easily ---;

line 7, after "Therefore," inserted --- a ---;

line 8, deleted "can not" and inserted --- cannot ---;

line 16, before "cation" inserted --- a ---;

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line 17, before "load" inserted --- the ---;

line 19, deleted "an amount" and inserted --- the amount ---;

line 22, before "load of" inserted --- the ---;

line 27, deleted "It is preferable that the" and inserted --- The ---.

Page 3, line 19, before "load" inserted --- the ---;

line 20, after "completion of" inserted --- the ---.

Page 4, line 23, deleted "a time" and inserted --- the same time ---.

Page 5, line 13, deleted "a time" and inserted --- the same time ---.

Page 6, line 23, after "catalyst column" inserted ---, ---.

Page 7, line 4, deleted "is" and inserted --- are ---;

line 9, deleted "a time" and inserted --- the same time ---.

Page 8, line 11, after "showing" inserted --- a ---;

line 14, after "showing" inserted --- a ---;

line 16, deleted "am" and inserted --- an ---;

line 16, after "showing" inserted --- a ---;

line 19, after "showing" inserted --- a ---;

line 21, after "showing" inserted --- an ---;

line 24, deleted "process" and inserted --- processes ---.

Page 10, line 24, after "32" inserted --- and ---;

line 25, deleted "Circulation" and inserted --- A circulation ---.

Page 11, line 2, before "liquid" inserted --- the ---;

line 4, deleted "temperture" and inserted --- temperature ---;

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line 6, before "reducing" inserted --- a ---;

line 7, before "reducing" inserted --- a ---;

line 10, deleted "The" and inserted --- A ---;

line 11, deleted "the hollow" and inserted --- a hollow ---;

line 22, deleted "to" and inserted --- in ---.

Page 12, line 26, deleted "conductometer" and inserted --- conductivity meter ---;

line 27, after "decontaminated" inserted --- , ---.

Page 13, line 1, after "utilizing" inserted --- the fact ---;

line 9, after "After that," inserted --- a ---;

line 11, deleted "can not" and inserted --- cannot ---;

line 11, before "anion" inserted --- an ---;

line 17, deleted "is entered to" and inserted --- enters ---;

line 18, before "oxidizing" inserted --- an ---;

line 19, before "oxidizing" inserted --- an ---.

Page 14, line 21, after "compensate" inserted --- for ---.

Page 15, line 11, before "load" inserted --- the ---;

line 21, deleted "pump 4" and inserted --- pump 3 ---.

Page 16, line 11, before "load" inserted --- the ---.

Page 17, line 2, deleted "of a" and inserted --- the ---;

line 2, deleted the second instance of "a" and inserted --- the ---;

line 3, after "limit" inserted --- , ---;

line 4, before "the value" deleted "of";

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line 11, after "downstream" inserted --- side ---;

line 13, deleted "it possibly happens";

line 14, deleted "to" and inserted --- in ---;

line 15, deleted "are" and inserted --- may be ---;

line 22, deleted "and accordingly load" and inserted --- and, accordingly,
the load ---.

Page 18, line 19, deleted "as similarly to in the" and inserted --- similar to the ---;

line 26, after "assumed" inserted --- to be a ---;

line 27, before "2-cycle" deleted "the".

Page 19, line 7, before "necessary" inserted --- the ---;

line 7, before "cycles" deleted "the";

line 12, after "result of " inserted --- the ---;

line 13, after "ratio" inserted --- is performed ---.

Page 20, line 2, after "column 6 set" inserted --- to ---;

line 3, deleted "to" and inserted --- of ---;

line 19, deleted "detective" and inserted --- detection ---;

line 27, deleted "any" and inserted --- no ---.

Page 21, line 1, before "shown" deleted "not";

line 9, deleted "amount".

Page 22, line 26, deleted "flow" and inserted --- flowing ---.

Page 23, line 8, deleted "trapped to" and inserted --- trapped in ---;

line 12, deleted "to" and inserted --- at ---.

Page 24, line 8, after "valve 45" inserted --- , ---;
line 17, deleted "can not" and inserted --- cannot ---;
line 18, after "due to" inserted --- being ---;
line 19, deleted "an" and inserted --- a high --;
line 19, deleted "keeping high";
line 24, deleted "Life time" and inserted --- The lifetime ---.

Page 25, line 7, after "both" deleted "of";
line 8, before "Embodiment 1" deleted "in";
line 12, after "solution" inserted --- to ---;
line 13, after "oxalic acid" inserted --- , ---;
line 18, before "cost" inserted --- the ---.

Cancelled claims 17, 20 and 21.

2. The following is an examiner's statement of reasons for allowance: The instant application is deemed to be directed to a non-obvious improvement over the invention patented in Pat. No. 4,729,855. The improvement comprises using a catalyst decomposition for decomposing oxalic acid and hydrazine in the circulation line.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

3. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Alexa A. Doroshenk whose telephone number is 571-272-1446. The examiner can normally be reached on Monday - Thursday from 9:00 AM - 7:30 PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Glenn Caldarola can be reached on 571-272-1444. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).



Alexa Doroshenk
Patent Examiner
Art Unit 1764

June 24, 2004